

Ruth E. Goldenberg



OpenVMS

Alpha Internals

and Data

Structures

Memory Management

Openvms Alpha Internals And Data Structures Memory Management



Rose Arny

Openvms Alpha Internals And Data Structures Memory Management:

OpenVMS Alpha Internals and Data Structures Ruth Goldenberg, 2002-12-10 *OpenVMS Alpha Internals and Data Structures Memory Management* is an update to selected parts of the book *OpenVMS AXP Internals and Data Structures* Version 1.5 Digital Press 1994. This book covers the extensions to the memory management subsystem of OpenVMS Alpha to allow the operating system and applications to access 64 bits of address space. It emphasizes system data structures and their manipulation by paging and swapping routines and related system services. It also describes management of dynamic memory such as nonpaged pool and support for nonuniform memory access (NUMA) platforms. This book is intended for systems programmers, technical consultants, application designers, and other computer professionals interested in learning the details of the OpenVMS executive. Teachers and students of graduate and advanced undergraduate courses in operating systems will find this book a valuable study in how theory and practice are resolved in a complex commercial operating system. THE definitive reference describing how the OpenVMS kernel works. Written by a top authority on OpenVMS systems. Covers the latest version of OpenVMS. *OpenVMS System Management Guide* Lawrence Baldwin, Steve Hoffman, David Miller, 2003-11-20 *OpenVMS System Management Guide* Second Edition the most complete book on the topic details for system administrators the tools, technologies, and techniques by which they can configure, maintain, and tune computers running Hewlett-Packard's high performance OpenVMS operating system. Revised by a topical authority and a principal OpenVMS engineer, the book enables system administrators to perform more efficiently and effectively those everyday tasks critical to an OpenVMS system. Examples have been updated to include OpenVMS VAX 7.3 and OpenVMS Alpha 7.3.1. OpenVMS administration best practices and utilities. System management strategies that support business objectives. Updated references to latest HP documents and other WWW resources. New chapter summarizing software installation. New appendix to help the hobbyist get started. **Getting Started with OpenVMS System Management**

David Miller, 2003-05-08 *Getting Started with OpenVMS System Management* gives new VMS system managers a jumpstart in managing this powerful and reliable operating system. Dave Miller describes the essentials of what an OpenVMS System Manager will have to manage. He defines areas of OpenVMS System Management and describes why each is important and how it fits into the larger management task. Even though some OpenVMS management concepts are unique, for instance, quotas, many concepts such as account creation have counterparts in UNIX and Windows NT. So wherever possible, Miller points out to his readers the parallel to other systems. The book is intended as a precursor to Baldwin's *OpenVMS System Management Guide* and various OpenVMS documents. Thus it refers the reader to other books for the detailed management steps. *Getting Started with OpenVMS System Management* is a great introduction to the material. Steve Hoffman and Dave Miller are revising for the *OpenVMS System Management Guide* 2E. Permits experienced system managers to begin managing OpenVMS more quickly. Dovetails with other Digital Press publications for easier reference by the OpenVMS

manager Points you in the right direction for the complete documentation on each issue

BONUS FEATURE Includes excerpts from five key DP OpenVMS books

OpenVMS AXP Internals and Data Structures Ruth E. Goldenberg, Saro Saravanan, 1994 This outstanding new book describes the internals and data structures of the OpenVMS AXP operating system 1.5 in vivid detail Perhaps the most up to date description available for a commercial operating system OpenVMS AXP Internals and Data Structures is an irreplaceable reference for operating system development engineers operating system troubleshooting experts systems programmers consultants and customer support specialists This book is essential for those interested in learning how OpenVMS AXP runs on the Alpha AXP family of processors This information is equally applicable to the internals of any modern day symmetric multi processing operating system running on a RISC computer Provides a detailed treatment of the key architectural features of Alpha AXP systems Explores concepts which are equally applicable to the Alpha AXP family of processors and the internals of any modern day symmetric multi processing operating system running on a RISC computer Devotes each of the 39 chapters to explaining its topics in case study format Alpha Architecture Reference Manual Alpha Architecture Committee, 2014-06-28 This is the authoritative reference on Digital Equipment Corporation's new 64 bit RISC Alpha architecture Written by the designers of the internal Digital specifications this book contains complete descriptions of the common architecture required for all implementations and the interfaces required to support the OSF 1 and OpenVMS operating systems

Forthcoming Books Rose Army, 2003 *American Book Publishing Record*, 2003 *Digital Technical Journal of Digital Equipment Corporation*, 1997

High Performance Cluster Configuration System Management James E. Gursha, 1997 High Performance Cluster Configuration System Management is a must have book for system managers cluster managers and application designers developers who need to understand how to optimize the use of their available computer resources This book covers the traditional cluster configurations as well as the latest technical information available in memory channel SCSI and fiber based clusters through OpenVMS 7.0 All cluster interconnections and possible configuration scenarios are explored with an emphasis on efficient resource use and the ability to maximize processing power Because efficient movement and storage of data is important in the design of high performance systems this book also addresses effective storage management using the latest StorageWorks solutions such as fiber and HSI controller configurations Part of designing a high performance cluster is keeping it operating at peak efficiency This book details the different performance tools that are available and goes through multiple tuning scenarios offering guidance and commentary

OpenVMS Alpha Internals: Scheduling and Process Control Ruth Goldenberg, Denise Dumas, Saro Saravanan, 1997-01-09 OpenVMS Alpha Internals Scheduling and Process Control provides an update to selected parts of the book OpenVMS AXP Internals and Data Structures Version 1.5 Digital Press 1994 This book covers the new scheduling model in OpenVMS Alpha Version 7.0 which include executive support for multithreading It also discusses the life of a process from creation to deletion This book is intended for systems programmers

technical consultants application designers and other computer professionals interested in learning the details of the OpenVMS executive Teachers and students of graduate and advanced undergraduate courses in operating systems will find this book a valuable study in how theory and practice are resolved in a complex commercial operating system *Data Sources*, 2000 *Alpha AXP Architecture Reference Manual* Richard L. Sites, Richard Witek, 1995 Covering the material in Version 5.0 and significant additions and changes necessitated by the evolution of the architecture since the writing of the first edition The significant technical changes include clarification of Mxx FPCT operand and Trap Disable Flags clarification of system architecture and programming implications and the addition of aCVTST WMB EXCB instructions **Subject Guide to Books in Print**, 1991 **Documentation Abstracts**, 1996 **VAX/VMS Internals and Data Structures** Lawrence J. Kenah, Ruth E. Goldenberg, Simon F. Bate, 1988 Besedilo govori o internih strukturah operacijskega sistema VAX VMS in o delovanju sistema VAX VMS Priro nik je pripomo ek za sistemsko programiranje **Transportation Research Record**, 1997 VMS for Alpha Platforms Ruth E. Goldenberg, Saro Saravanan, 1992 **Government Reports Announcements & Index**, 1994 *VMS Internals and Data Structures* Ruth E. Goldenberg, 1989 **American Export Register**, 1998

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